



## ABSTRACT

The invention provides secure and private communication over a network, as well as persistent private storage and private access control to the stored information, which is accomplished by imposing mechanisms that separate a user's actions from their identity. The system provides (i) anonymous network browsing, in which event the anonymity system is unaware of both the user's identity and browsing activities, (ii) private network storage and retrieval of data such as passwords, profiles and files in a manner such that the data can be stored into the system and later retrieved without the system knowing the contents or owners of the data, and (iii) the ability of the user to control and manage access to the remotely stored data without the system knowing the contents, owners, or accessors of the data.